

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120420\
 Data File : VY003658.D
 Acq On : 04 Dec 2020 11:39
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00578

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 3:13:04 PM

Quant Time: Dec 04 12:50:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 12:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	239011	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	227689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	119388	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	16124	5.56	ug/L	0.00
7) Chloroethane-d5	2.77	69	12721	4.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	31374	4.73	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13405	10.38	ug/L	0.00
24) Chloroform-d	7.49	84	31197	5.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17183	4.97	ug/L	0.00
29) Benzene-d6	8.12	84	65650	4.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	19135	4.85	ug/L	0.00
37) Toluene-d8	10.18	98	56917	4.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.43	79	8995	4.57	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	10591	10.51	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	17475	5.06	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	21271	5.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	13178	8.369 ug/L	98
3) Chloromethane	2.12	50	14400	5.299 ug/L	95
5) Vinyl chloride	2.26	62	15599	4.968 ug/L	98
6) Bromomethane	2.66	94	9835	4.095 ug/L	95
8) Chloroethane	2.80	64	9792	4.639 ug/L	93
9) Trichlorofluoromethane	3.14	101	23522	6.957 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	15815m	5.019 ug/L	
12) 1,1-Dichloroethene	3.88	96	14810	4.581 ug/L	90
13) Acetone	3.96	43	9506	10.079 ug/L	97
14) Carbon disulfide	4.20	76	48156	4.511 ug/L	100
15) Methyl Acetate	4.48	43	11795	4.945 ug/L #	87
16) Methylene chloride	4.73	84	22791	5.610 ug/L	98
17) Methyl tert-butyl Ether	5.23	73	39722	6.868 ug/L	99
18) trans-1,2-Dichloroethene	5.23	96	16288	4.747 ug/L	96
19) 1,1-Dichloroethane	6.03	63	28126	4.874 ug/L	98
21) 2-Butanone	7.00	43	17087	10.779 ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	17600	4.966 ug/L	94
23) Bromochloromethane	7.35	128	9112	5.284 ug/L	92
25) Chloroform	7.51	83	28255	4.895 ug/L	97
27) 1,2-Dichloroethane	8.25	62	18731	4.794 ug/L #	93
30) Cyclohexane	7.79	56	23977	4.441 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	25357	5.148 ug/L	97
32) Carbon tetrachloride	7.91	117	21416	4.619 ug/L	95
34) Benzene	8.17	78	67516	4.794 ug/L	100
35) Trichloroethene	8.94	95	18607	5.140 ug/L	97
36) Methylcyclohexane	9.19	83	27287	4.811 ug/L	99
40) 1,2-Dichloropropane	9.22	63	16929	4.856 ug/L	100
41) Bromodichloromethane	9.50	83	21580	4.864 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	25077	4.572 ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	30999	10.408 ug/L	99

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44) Toluene	10.25	91	69559	4.679	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	24001	4.728	ug/L	100
46) 1,1,2-Trichloroethane	10.65	97	14885	5.276	ug/L	95
47) Tetrachloroethene	10.72	164	14277	4.654	ug/L	92
49) 2-Hexanone	10.83	43	22195	9.628	ug/L	99
50) Dibromochloromethane	10.98	129	16723	4.929	ug/L	100
51) 1,2-Dibromoethane	11.09	107	14306	5.108	ug/L #	96
52) Chlorobenzene	11.51	112	46584	4.886	ug/L	98
53) Ethylbenzene	11.59	91	76046	4.950	ug/L	95
54) m,p-Xylene	11.70	106	28482	4.791	ug/L	97
55) o-xylene	12.03	106	27881	5.488	ug/L	86
56) Styrene	12.04	104	46424	4.778	ug/L	98
57) Isopropylbenzene	12.33	105	71485	5.999	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	15775	4.815	ug/L	94
59) 1,2,3-Trichloropropane	12.64	75	14013	5.335	ug/L	96
62) Bromoform	12.21	173	11710	4.901	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	36886	4.968	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	38243	4.986	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	34004	5.414	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.35	75	3049	5.550	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	26469	6.296	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	21797	6.043	ug/L	97
69) Naphthalene	15.23	128	43234	6.451	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	19893	6.911	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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